

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53765 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 20 2013

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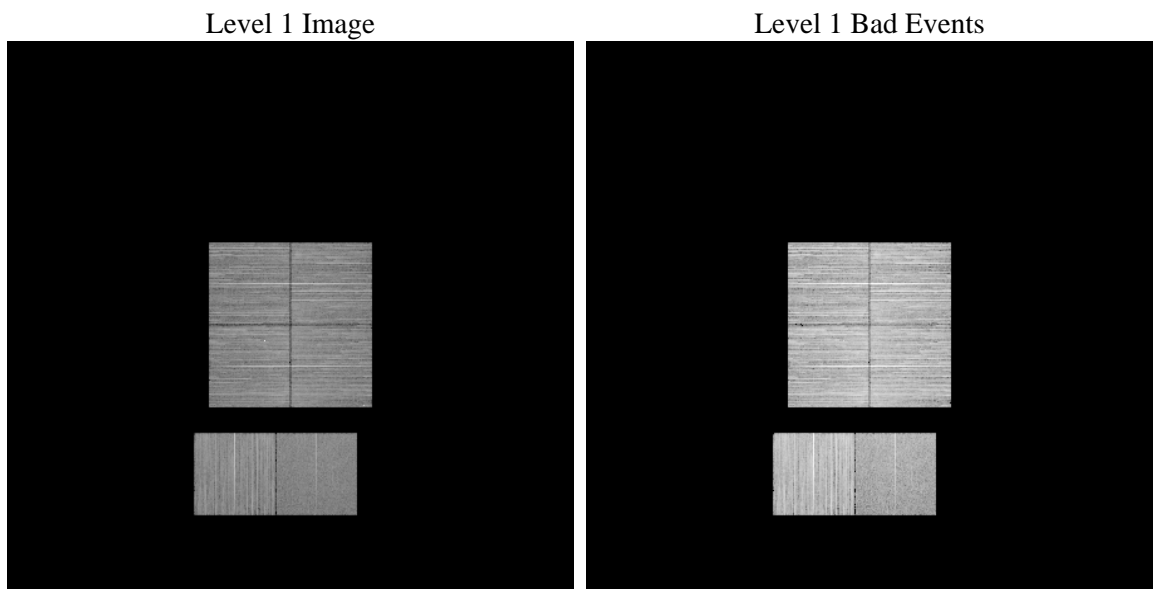
1 Front

seq_num	 	Sequence number
obs_id	53765	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	193.07453399029	Nominal RA [deg]
dec_nom	-37.392238006052	Nominal Dec [deg]
roll_nom	158.45919263634	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8145.9556173682	Sum of GTIs [s]
livetime	8042.8066224355	Livetime [s]
ontime0	8145.9145773649	Sum of GTIs [s]
ontime1	8145.8735373616	Sum of GTIs [s]
ontime2	8145.8324973583	Sum of GTIs [s]
ontime3	8145.9966573715	Sum of GTIs [s]
ontime6	8145.791457355	Sum of GTIs [s]
ontime7	8145.9556173682	Sum of GTIs [s]
l2events	210810	Number of level 2 events

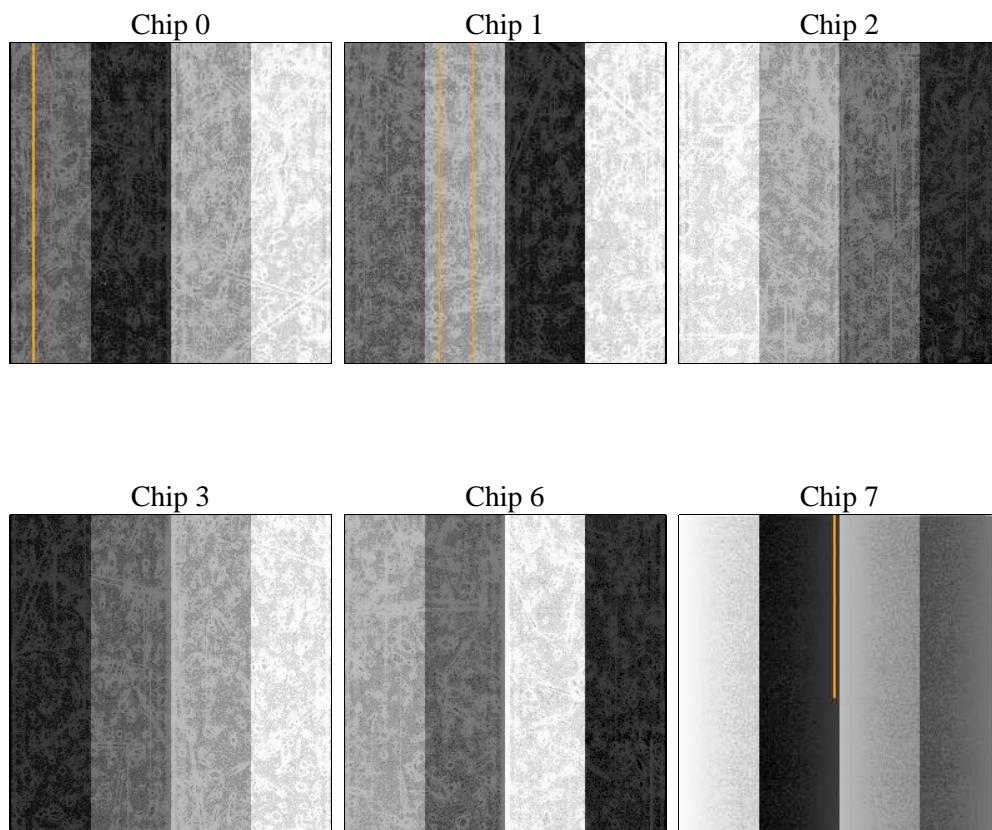
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	8145.9556173682	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8145.9145773649	Sum of GTIs [s]
date	2013-04-20T04:18:53	Date and time of file creation	ontime1	8145.8735373616	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8145.8324973583	Sum of GTIs [s]
			ontime3	8145.9966573715	Sum of GTIs [s]
			ontime6	8145.791457355	Sum of GTIs [s]
			ontime7	8145.9556173682	Sum of GTIs [s]
			l1events	952932	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	151054	162324	168170	168290	171916	131178	grade 0 events	16863	16064	19839	17913	16634	8777
rejected events	118531	129711	133104	134909	138550	72083		11%	9%	11%	10%	9%	6%
rejected %	78%	79%	79%	80%	80%	54%	grade 1 events	95	91	114	91	79	80
								0%	0%	0%	0%	0%	0%
							grade 2 events	6518	7268	6279	6374	7155	15029
								4%	4%	3%	3%	4%	11%
							grade 3 events	2242	2220	2263	2285	2194	4879
								1%	1%	1%	1%	1%	3%
							grade 4 events	2220	2130	2384	2342	2131	4747
								1%	1%	1%	1%	1%	3%
							grade 5 events	2965	3076	2744	3271	3136	7815
								1%	1%	1%	1%	1%	5%
							grade 6 events	5296	5521	4952	5118	5898	26705
								3%	3%	2%	3%	3%	20%
							grade 7 events	114855	125954	129595	130896	134689	63146
								76%	77%	77%	77%	78%	48%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	193.0745339902932
[deg] Pointing Dec	0	-37.3922380060522
[deg] Pointing Roll	0.0	158.4591926363429
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	482756300.135123	482756300.135123
Observation start date	2013-04-19T10:58:20	2013-04-19T10:58:20
[s] Observation end time (MET)	482765847.97419	482765847.97419
Observation end date	2013-04-19T13:37:28	2013-04-19T13:37:27
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1459556173682

A.2 Comments